

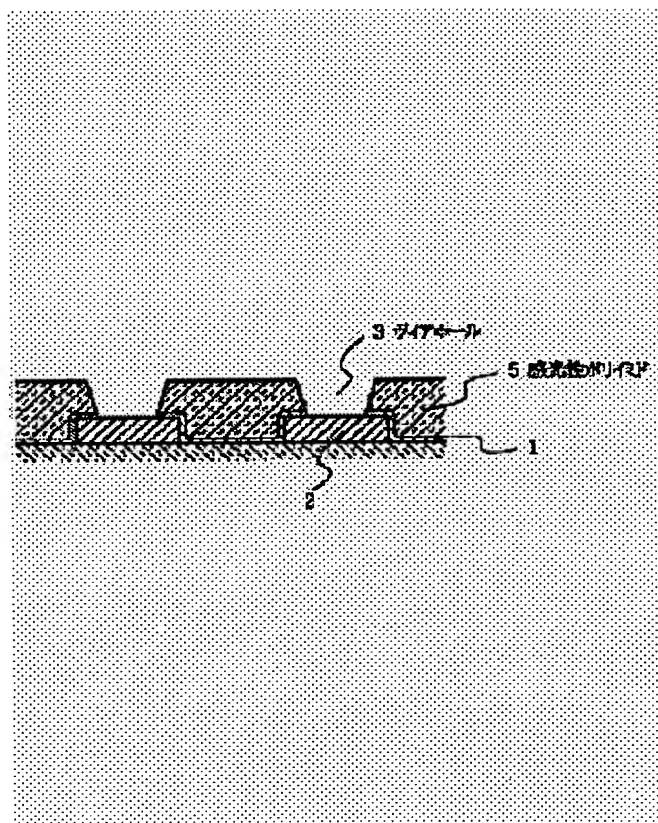
**POLYIMIDE FILM ON COPPER WIRING AND ITS FORMING METHOD**

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**Inventor:** UEDA MASAOKI  
**Applicant:** NEC IBARAKI LTD  
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- international: H05K3/28; H05K3/00  
- european:  
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**Abstract of JP8298369**

**PURPOSE:** To obtain a circuit board at a low cost by directly forming a polyimide film on a copper pattern.

**CONSTITUTION:** A copper plating pattern 2 on a board is subjected to spin-coating with non-photosensitive polyimide precursor of a viscosity of 100 CPS, at a speed of rotation of 100 RPM, for 30 seconds, and curing is performed at 390 deg.C. A non-photosensitive polyimide film 1 formed in this manner is subjected to spin-coating with photosensitive polyimide precursor of a viscosity of 350 CPS, at a speed of rotation of 700 RPM, for 30 seconds, and prebaking is performed at 80 deg.C, for 1 hour. A photosensitive polyimide precursor film is exposed to UV rays and developed. Thus viaholes 3 are formed. After the viaholes are formed, the surface of photosensitive polyimide 5 formed by curing at 390 deg.C is subjected to dry etching. Thereby the nonphotosensitive polyimide film 1 left in the bottom part of the viaholes 3 is eliminated, and viaholes capable of electric continuity with the copper plating pattern of the upper layer are formed.



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